PCT/IB2005/050714 IAP6 Rec'd PCT/PTO 28 AUG 2006

SEQUENCE LISTING

	<110> Consiglio Nazionale delle Ricerche
	<120> Fusion proteins <130> BW352R <160> 7 <170> PatentIn version 3.2
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30	ttc gtg aag ggg gag gag aag gag ccg tcg aag gag nnn nnn agc ggc Phe Val Lys Glu Glu Lys Glu Pro Ser Lys Glu Xaa Xaa Ser Gly 20 25 30
	acg aag aag ctg agc gag gag gtg aag acg acg gag cag aag agg gag 144 Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu 35 40 45
.35	gcc nnn aag nnn ata gtg cgc gcc acg aag ggc atc tcc ggt atc aaa 192 Ala Xaa Lys Xaa lle Val Arg Ala Thr Lys Gly lle Ser Gly lle Lys 50 55 60
40	aat gaa ctt gtc gcc gag gtc ccc aag aag nnn gat att aag acc act Asn Glu Leu Val Ala Glu Val Pro Lys Lys Xaa Asp lle Lys Thr Thr 65 70 75 80
45	ctc ccg ccc atc acc gcc gac ttc gac tgc nnn aag atc caa agt act 288 Leu Pro Pro IIe Thr Ala Asp Phe Asp Cys Xaa Lys IIe Gln Ser Thr 85 90 95
	att ttc aga ggt tac tat gga ttc caa gaa acc nnn ggg act atg gtg 336 lle Phe Arg Gly Tyr Tyr Gly Phe Gln Glu Thr Xaa Gly Thr Met Val 100 105 110

	aga gcg ctg atg ccg nnn ctg ccg ttc gtg cag ggg aaa gag aaa gag 384 Arg Ala Leu Met Pro Xaa Leu Pro Phe Val Gln Gly Lys Glu Lys Glu 115 120 125
5	ccg tca aag ggg nnn nnn agc ggc gcc aaa aga ttg gac ggg gag acg Pro Ser Lys Gly Xaa Xaa Ser Gly Ala Lys Arg Leu Asp Gly Glu Thr 130 135 140
10	aag acg ggg ccg cag agg gtg cac gct nnn gag nnn atc cag acc gcc 480 Lys Thr Gly Pro Gln Arg Val His Ala Xaa Glu Xaa Ile Gln Thr Ala 145 150 155 160
15	atg aag act tat tcc gac atc gac ggg aaa ctc gtc agc gag gtc ccc 528 Met Lys Thr Tyr Ser Asp IIe Asp Gly Lys Leu Val Ser Glu Val Pro 165 170 175
	aag cac nnn ggc atc gtt gac agc aag ctc ccg ccc att gac gtc aac Lys His Xaa Giy Ile Val Asp Ser Lys Leu Pro Pro Ile Asp Val Asn 180 185 190
20	atg gac nnn aag aca gtt gga gtg gtt cct cgg caa ccc caa ctt cca 624 Met Asp Xaa Lys Thr Val Gly Val Val Pro Arg Gln Pro Gln Leu Pro 195 200 205
25	gtc tct ctc cgt cat ggt ccc gtc acg ggc cca agt gat ccc gcc cac 672 Val Ser Leu Arg His Gly Pro Val Thr Gly Pro Ser Asp Pro Ala His 210 215 220
30	aaa gca cgg ttg gag aga ccc cag att aga gtt ccg ccc ccc gca ccg Lys Ala Arg Leu Glu Arg Pro Gln Ile Arg Val Pro Pro Pro Ala Pro 235 230 235 240
35	gaa aaa gcc taa 732 Glu Lys Ala
40	<210> 2 <211> 243 <212> PRT <213> Parietaria judaica
45	<pre><220> <221> misc_feature <222> (4)(4) <223> The 'Xaa' at location 4, 14, 29, 30, 50, 52, 75, 91, 108, 118, 13 154, 156, 179, 195 stands for Asn, Ser, Thr, Ile,Met, Gly, Ala, Val, Gln Leu.</pre>
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	1 5 10 Ala Xaa Gly Lys Val Val Gln Asp lie Wet P10 Xaa Led 1115
5	Phe Val Lys Gly Glu Glu Lys Glu Pro Ser Lys Glu Xaa Xaa Ser Gly 20 25 30
10	Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu 35 40 45
	Ala Xaa Lys Xaa ile Val Arg Ala Thr Lys Gly ile Ser Gly ile Lys 50 55 60
15	Asn Glu Leu Val Ala Glu Val Pro Lys Lys Xaa Asp lle Lys Thr Thr 65 70 75 80
	Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Xaa Lys Ile Gin Ser Thr 85 90 95
20	lle Phe Arg Gly Tyr Tyr Gly Phe Gln Glu Thr Xaa Gly Thr Met Val 100 105 110
	Arg Ala Leu Met Pro Xaa Leu Pro Phe Val Gln Gly Lys Glu Lys Gl 115 120 125
25	Pro Ser Lys Gly Xaa Xaa Ser Gly Ala Lys Arg Leu Asp Gly Glu Th 130 135 140
30	Lys Thr Gly Pro Gln Arg Val His Ala Xaa Glu Xaa Ile Gln Thr Ala 145 150 155 160
	Met Lys Thr Tyr Ser Asp Ile Asp Gly Lys Leu Val Ser Glu Val Pro 165 170 175
35	Lys His Xaa Gly Ile Val Asp Ser Lys Leu Pro Pro Ile Asp Val Asn 180 185 190
40	Met Asp Xaa Lys Thr Val Gly Val Val Pro Arg Gln Pro Gln Leu Pro 195 200 205
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	Lys Ala Arg Leu Glu Arg Pro Gln Ile Arg Val Pro Pro Pro Ala Pro 225 230 235 240
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15	ttc gtg aag ggg gag gag aag gag ccg tcg aag gag agc agc agc ggc Phe Val Lys Glu Glu Lys Glu Pro Ser Lys Glu Ser Ser Gly 20 25 30
20	acg aag aag ctg agc gag gag gtg aag acg acg gag cag aag agg gag Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu 35 40 45
	gcc tgc aag tgc ata gtg cgc gcc acg aag ggc atc tcc ggt atc aaa Ala Cys Lys Cys lle Val Arg Ala Thr Lys Gly lle Ser Gly lle Lys 50 55 60
25	aat gaa ctt gtc gcc gag gtc ccc aag aag tgc gat att aag acc act 240 Asn Glu Leu Val Ala Glu Val Pro Lys Lys Cys Asp Ile Lys Thr Thr 65 70 75 80
30	ctc ccg ccc atc acc gcc gac ttc gac tgc tcc aag atc caa agt act 288 Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Ser Lys Ile Gln Ser Thr 85 90 95
35	att ttc aga ggt tac tat gga ttc caa gaa acc agc ggg act atg gtg 336 lle Phe Arg Gly Tyr Tyr Gly Phe Gln Glu Thr Ser Gly Thr Met Val 100 105 110
40	aga gcg ctg atg ccg tgc ctg ccg ttc gtg cag ggg aaa gag aaa gag 384 Arg Ala Leu Met Pro Cys Leu Pro Phe Val Gln Gly Lys Glu Lys Glu 115 120 125
	ccg tca aag ggg agc agc agc ggc gcc aaa aga ttg gac ggg gag acg Pro Ser Lys Gly Ser Ser Ser Gly Ala Lys Arg Leu Asp Gly Glu Thr 130 135 140
45	aag acg ggg ccg cag agg gtg cac gct tgt gag tgc atc cag acc gcc Lys Thr Gly Pro Gln Arg Val His Ala Cys Glu Cys Ile Gln Thr Ala 145 150 155 160
50	atg aag act tat tcc gac atc gac ggg aaa ctc gtc agc gag gtc ccc 528 Met Lys Thr Tyr Ser Asp IIe Asp Gly Lys Leu Val Ser Glu Val Pro 165 170 175

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_	aag cac tgc ggc atc gtt gac agc aag ctc ccg ccc att gac gtc aac 576 Lys His Cys Gly Ile Val Asp Ser Lys Leu Pro Pro Ile Asp Val Asn 180 185 190
5	atg gac tgc aag aca gtt gga gtg gtt cct cgg caa ccc caa ctt cca 624 Met Asp Cys Lys Thr Val Gly Val Val Pro Arg Gln Pro Gln Leu Pro 195 200 205
10	gtc tct ctc cgt cat ggt ccc gtc acg ggc cca agt gat ccc gcc cac 672 Val Ser Leu Arg His Gly Pro Val Thr Gly Pro Ser Asp Pro Ala His 210 215 220
15	aaa gca cgg ttg gag aga ccc cag att aga gtt ccg ccc ccc gca ccg Lys Ala Arg Leu Glu Arg Pro Gln Ile Arg Val Pro Pro Pro Ala Pro 225 230 235 240
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35	Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu 35 40 45
40	Ala Cys Lys Cys Ile Val Arg Ala Thr Lys Gly Ile Ser Gly Ile Lys 50 55 60
40	Asn Glu Leu Val Ala Glu Val Pro Lys Lys Cys Asp lle Lys Thr Thr 65 70 75 80
45	Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Ser Lys Ile Gln Ser Thr 85 90 95
	lle Phe Arg Gly Tyr Tyr Gly-Phe Gln Glu Thr Ser Gly Thr Met Val 100 105 110
50	Arg Ala Leu Met Pro Cys Leu Pro Phe Val Gln Gly Lys Glu Lys Glu 115 120 125

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	Pro Ser Lys Gly Ser Ser Ser Gly Ala Lys Arg Leu Asp Gly Glu Thr 130 135 140
5	Lys Thr Gly Pro Gln Arg Val His Ala Cys Glu Cys Ile Gln Thr Ala 145 150 155 160
	Met Lys Thr Tyr Ser Asp lle Asp Gly Lys Leu Val Ser Glu Val Pro 165 170 175
10	Lys His Cys Gly Ile Val Asp Ser Lys Leu Pro Pro Ile Asp Val Asn 180 185 190
1.5	Met Asp Cys Lys Thr Val·Gly Val Val Pro Arg Gln Pro Gln Leu Pro 195 200 205
15	Val Ser Leu Arg His Gly Pro Val Thr Gly Pro Ser Asp Pro Ala His 210 215 220
20	Lys Ala Arg Leu Glu Arg Pro Gin Ile Arg Val Pro Pro Pro Ala Pro 225 230 235 240
	Glu Lys Ala
25	<210> 5 <211> 18 <212> DNA <213> Artificial
30	<220> <223> forward primer for insertion of mutation in position 29 and 30
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33	<210> 6 <211> 30 <212> DNA <213> Artificial
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45	<400> 6 gtgggatccg aggaggctag cgggaaagtg 30
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<220> <223> reverse parj2 primer

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